



Posts:

- 76mm x 3.5mm square SHS x 2600mm length spaced at 3000mm centers hot dipped galvanized (in accordance with SANS 121, ISO 1461 1999) after all welding of fish plate brackets to posts to receive angle rails.
- Fish plate brackets are to clamp around posts and are described under the Rails below.
- Post to be installed 2000mm above natural ground level with 600mm below ground level.
- Top of post to be capped, seam welded and ground smooth prior to galvanizing. 8mm drainage hole to be provided in post, 650mm from bottom of post.

Note: Allowance for later electrification required where required.

- Posts to be pre-holed, prior to galvanizing.
- Holes required: 21 off 4mm holes at 100mm centers (on internal face only) per post.
- 2 off holes at 100mm centres, 100mm from top of post, drilled through the post for later fixing of post extension (to take electrification above fence).
- Both holes to be filled with a grey plastic/nylon plug to prevent water penetration.

- Angle Iron Pale Profile with mitred Spear Point Head Profile per 3m section.
- Overall length 1950mm, installed 50mm above natural ground level.
- 40 x 40 x 3mm angle iron pales at maximum 180 mm centers with maximum 130mm space apart (total 16 per 3m section) all welded to angle rails.
- All to be hot dipped galvanized after all welding completed, in accordance with SANS 121 (ISO 1461 1999).
- Centre pale to be 40x40x3mm angle iron, 2500mm in height
- (located in the centre of each palisade section) cast with a concrete footing to specification.

- Angle iron rail - top and bottom rails:
 - 40 x 40 x 3mm angle iron rail (overall length approximately 3000mm)
 - Bolted to posts using Fish Plate brackets.
- Straight/intermediate fish plates to be 2off 40x4mm by 250mm long, bent around half the post, bolted back to back with rail in-between. Bending to ensure adequate grip on the post.
- End brackets to be used where stepping of panels are envisaged.
- All to be hot dipped galvanized, in accordance with SANS 121 (ISO 1461 1999), after all welding/cutting/drilling is completed.
- No. 4 x M12 x 40mm galvanized, cup square bolt and high tensile anti-vandal shear nut to be used.

- 20MPa/19mm Aggregate Mass Concrete foundations
400 x 400 x 650mm deep. Foundation excavations to be 750mm deep for top of concrete foundation to be 100mm below natural ground level.

- 20MPa/19mm Aggregate Mass Concrete foundations
250 x 250 x 400mm deep. Foundation excavations to be 500mm deep for top of concrete foundation to be 100mm below natural ground level.

- At changes of direction greater than 15 degrees/at junctions with posts of different fence types; 30MPa/19mm Aggregate reinforced concrete foundations to civil engineer's detail 1000 x 1000 x 1000mm deep with top 100mm below natural ground level.

Finish

- Steel Palisade finish - hot dipped galvanized finish unpainted.

ELEVATION DETAIL 1:5

